

## ABSTRACT OF THE INVENTION

A method, system, and medium are provided for Optical Time Domain Reflectometer (OTDR) Data storage and retrieval in a networking environment. The method includes receiving an OTDR trace file in its native format that includes OTDR information, storing the trace file, receiving a request to present the OTDR information in a browser or some other interface, identifying a viewer that can render the OTDR information, and communicating the OTDR information to the browser. The system includes a user interface that facilitates uploading an OTDR trace file in its native format, a storage device for receiving the trace file, and a viewer that can render the data within the OTDR trace file.